

TITLE

ON-SPOT HYDROPHILIC ENHANCED SLIDE AND PREPARATION THEREOF

ABSTRACT OF THE DISCLOSURE

5 The invention discloses an on-spot hydrophilic enhanced
slide/microarray. The preparation method relates to a
hydrophobic copolymer prepared by blending, grafting or co-
polymerization of a hydrophobic material and a compound
bearing functional groups such as anhydride, imide, cyclic
10 amide, and cyclic ester, and application of the hydrophobic
copolymer onto an organic or inorganic substrate. The
resulting slide has the properties of on-spot
hydrophilic/hydrophobic dynamic conversion, as well as on-
spot hydrophilic enhancement for the preparation of high-
15 density and high-efficiency bio-chip/microarray.